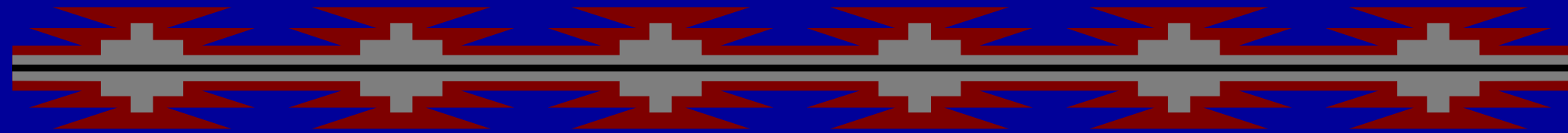


**March 2002 DMICC Meeting**



# **DPP Translation in the Indian Health Service**

**Kelly Acton, MD,MPH,FACP**  
**Director, IHS National Diabetes Program**  
**Albuquerque, New Mexico**  
**[www:ihs.gov/medicalprograms/diabetes](http://www.ihs.gov/medicalprograms/diabetes)**

# IHS Translation of DPP



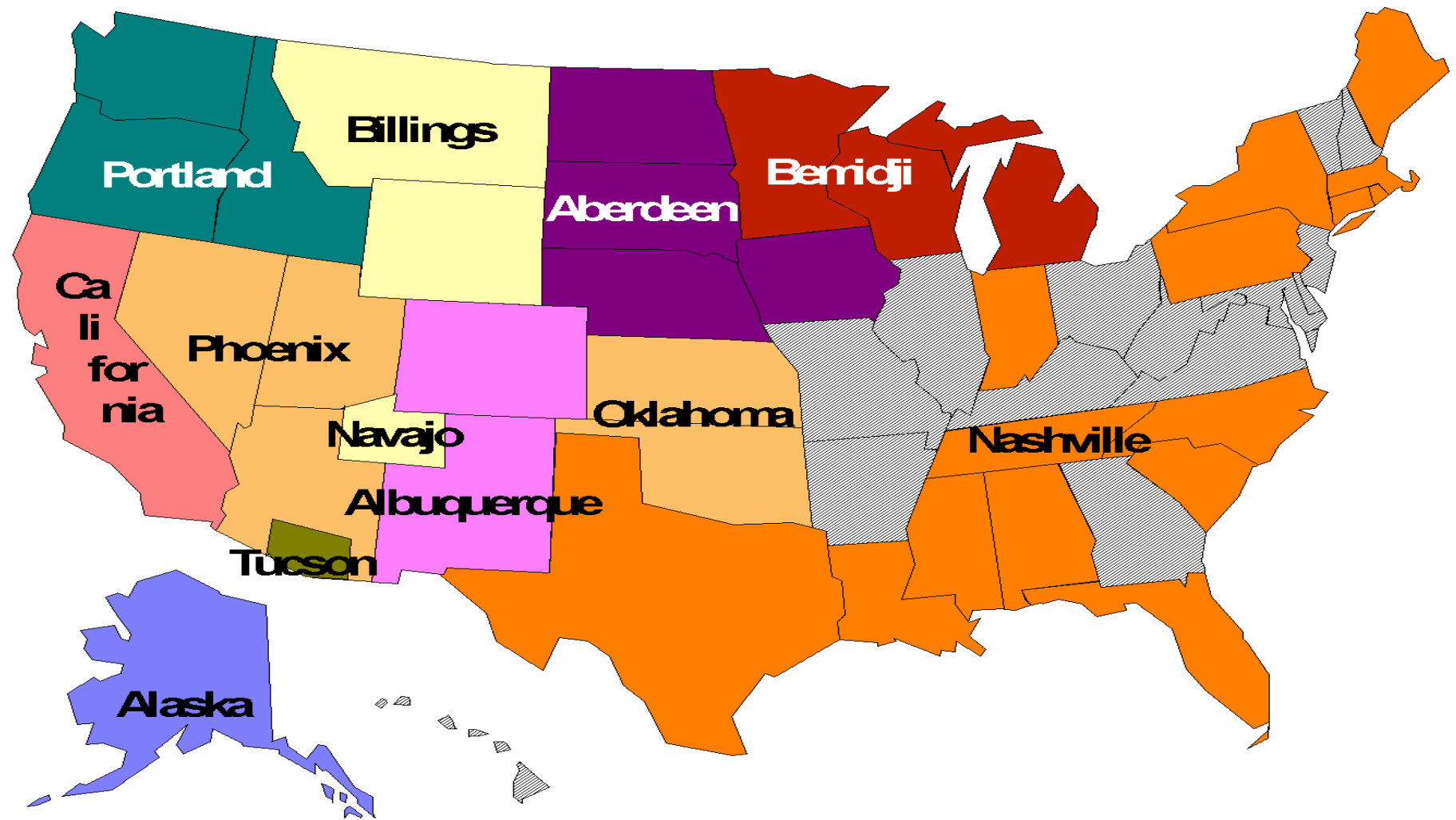
- The IHS National Diabetes Program
- Health Disparities: focus on diabetes
- Status of the *Special Diabetes Program for Indians* grant program
- DPP translation plans

# Indian Health Service



- federal trust responsibility
- unique government-to-government relationship with tribes
- Headquarters in Rockville, MD
- 12 IHS Administrative Areas, 36 hospitals, >300 IHS/tribal/urban outpatient facilities
- 1.5 million AI/AN served through IHS

# IHS Administrative Areas



● Area not covered by IHS

# IHS National Diabetes Program



- established by Congress in 1979
- clinical and public health approach
- accomplishments:
  - ✓ diabetes surveillance system
  - ✓ Standards of Care – clinical guidelines
  - ✓ Diabetes Care & Outcomes Audit

# IHS National Diabetes

## Program

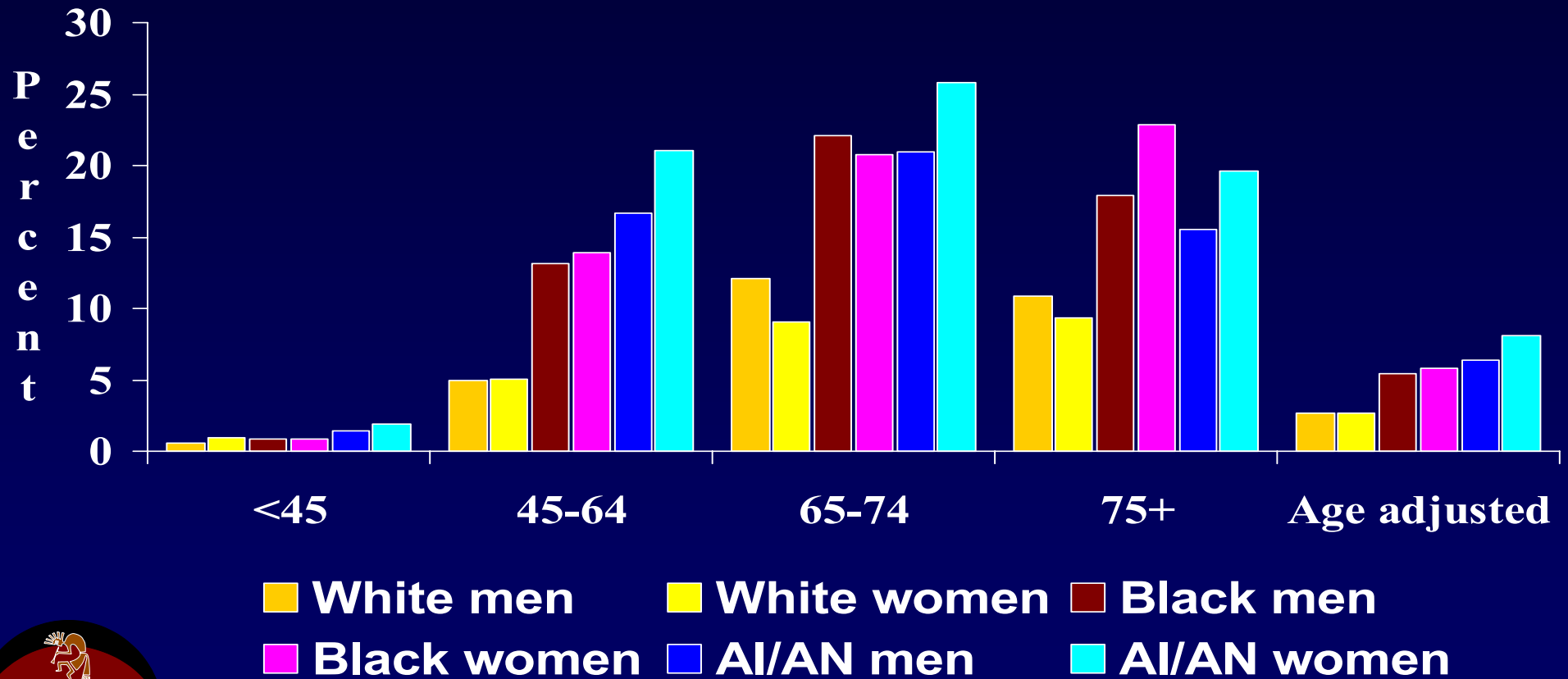
- 10 Headquarters staff
- 13 Area Diabetes Consultants
- 19 Model Diabetes Programs
- 318 Diabetes Grant Programs  
under the *Special Diabetes  
Program for Indians*

# IHS Translation of DPP



- The IHS National Diabetes Program
- Health Disparities: focus on diabetes
- Status of the *Special Diabetes Program for Indians* grant program
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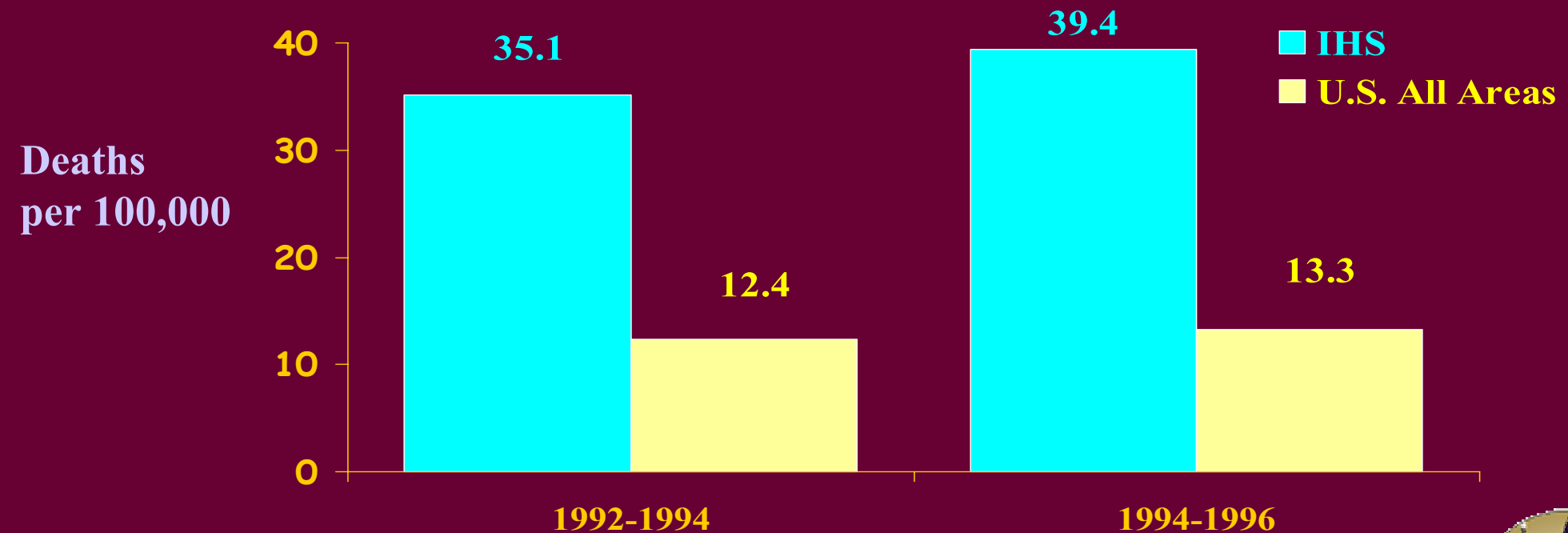
# Prevalence of diagnosed diabetes by age, race, and sex, United States, 1998



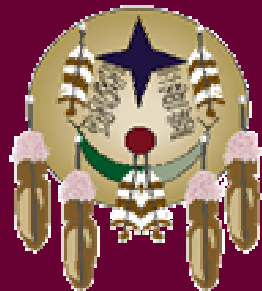
Source: National Health Interview Survey (NHIS) and Indian Health Service outpatient database.



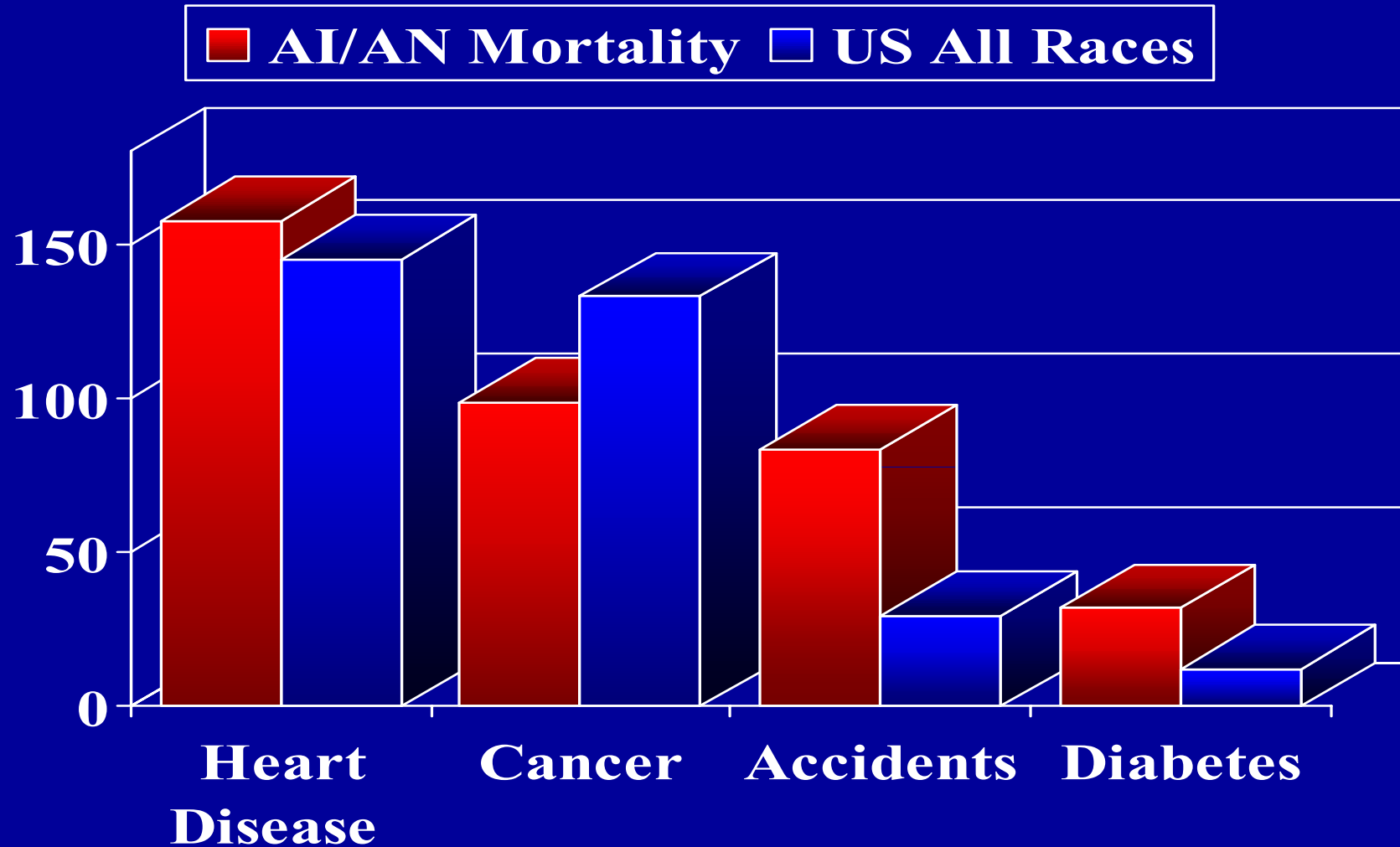
# Age-Adjusted Diabetes Mortality Rate IHS-Wide\* vs U.S. All Races‡ 1992-1996



Source: \*IHS Program Statistics  
‡National Center for Health Statistics



# American Indian Mortality Rates



# Cardiac Events and Type 2 Diabetes in American Indians



## Men

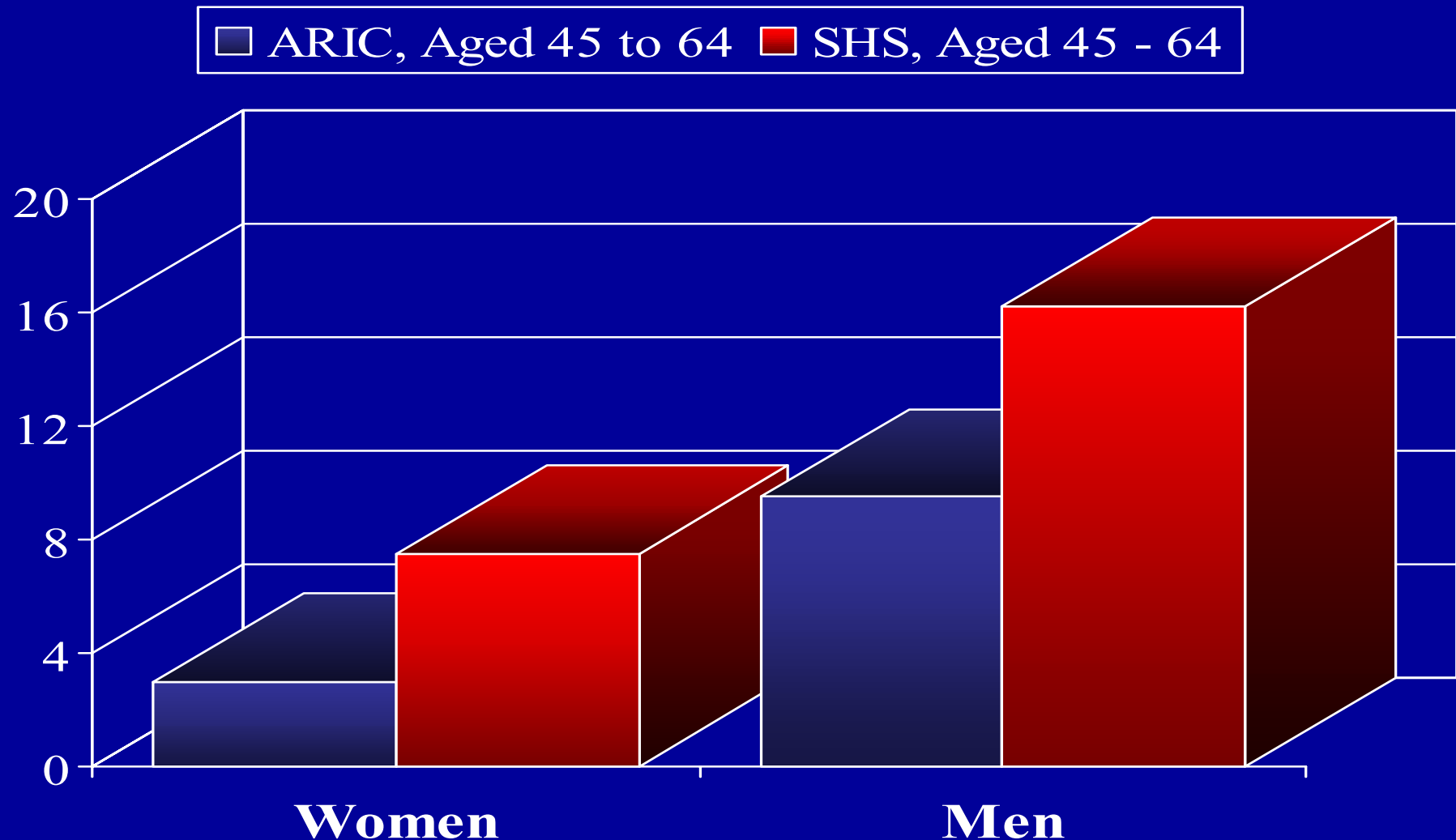
- **56%** of cardiac events
- Relative risk of CVD mortality = **2.9**

## Women

- **78%** of cardiac events
- Relative risk of CVD mortality = **3.8**

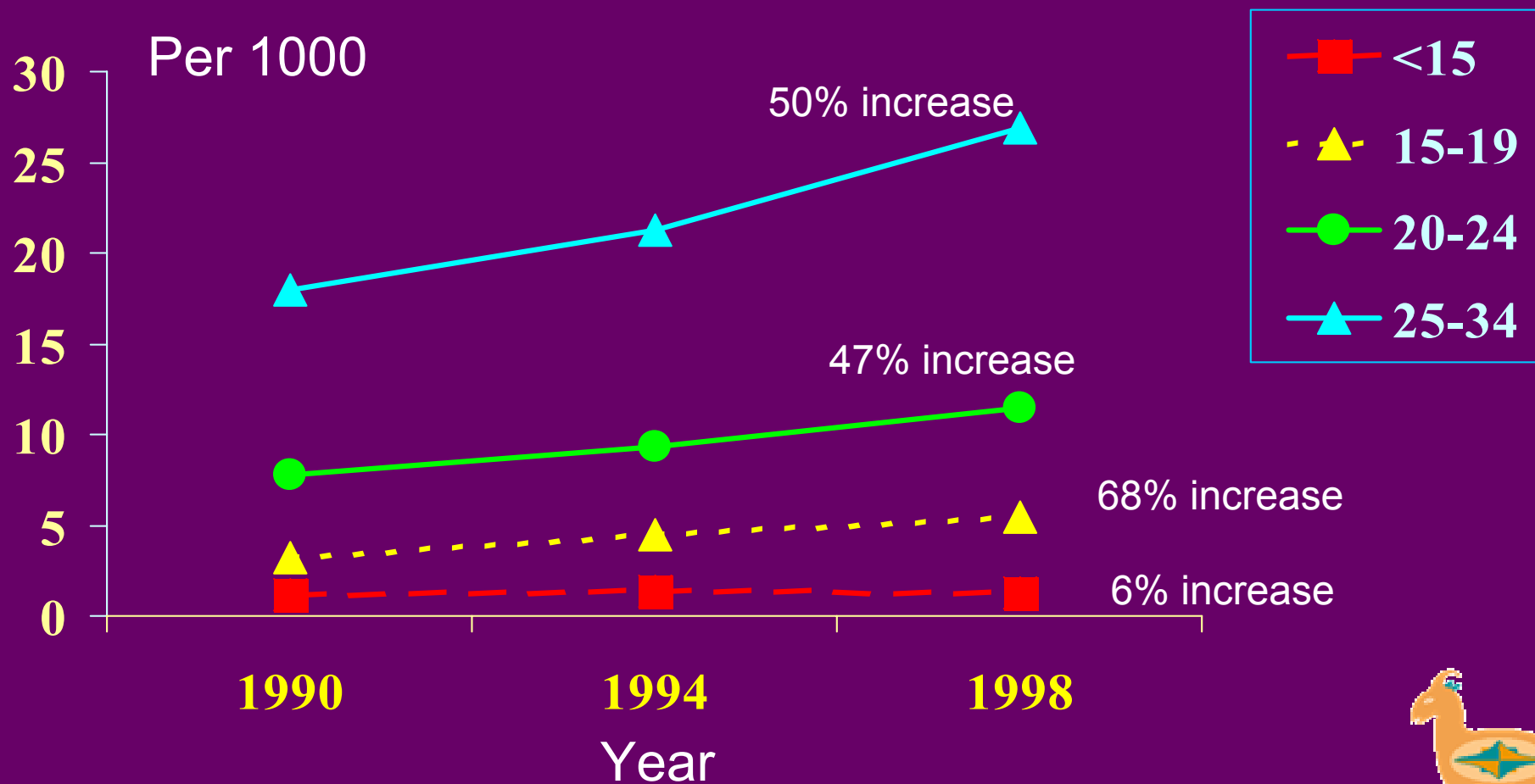
# Incidence of CVD

## ARIC vs The Strong Heart Study



Fatal and Nonfatal Rates per 1000 person years. The Rising Tide of CVD in AI: The SHS, Circulation, 1999

# Prevalence of diagnosed diabetes among children and young people by age group, 1990-1998



Source: IHS Diabetes Program Statistics



# Costs of Treating Diabetes in the Indian health care system



- Managed care estimates cost of treating diabetes is \$5000-9000 per person per year
- IHS system currently cares for ~90,000 people with diagnosed diabetes; receives ~\$1578 per person per year to provide care
- Conservative estimate: \$450 million /yr

# IHS Translation of DPP



- The IHS National Diabetes Program
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# Special Diabetes Program for Indians



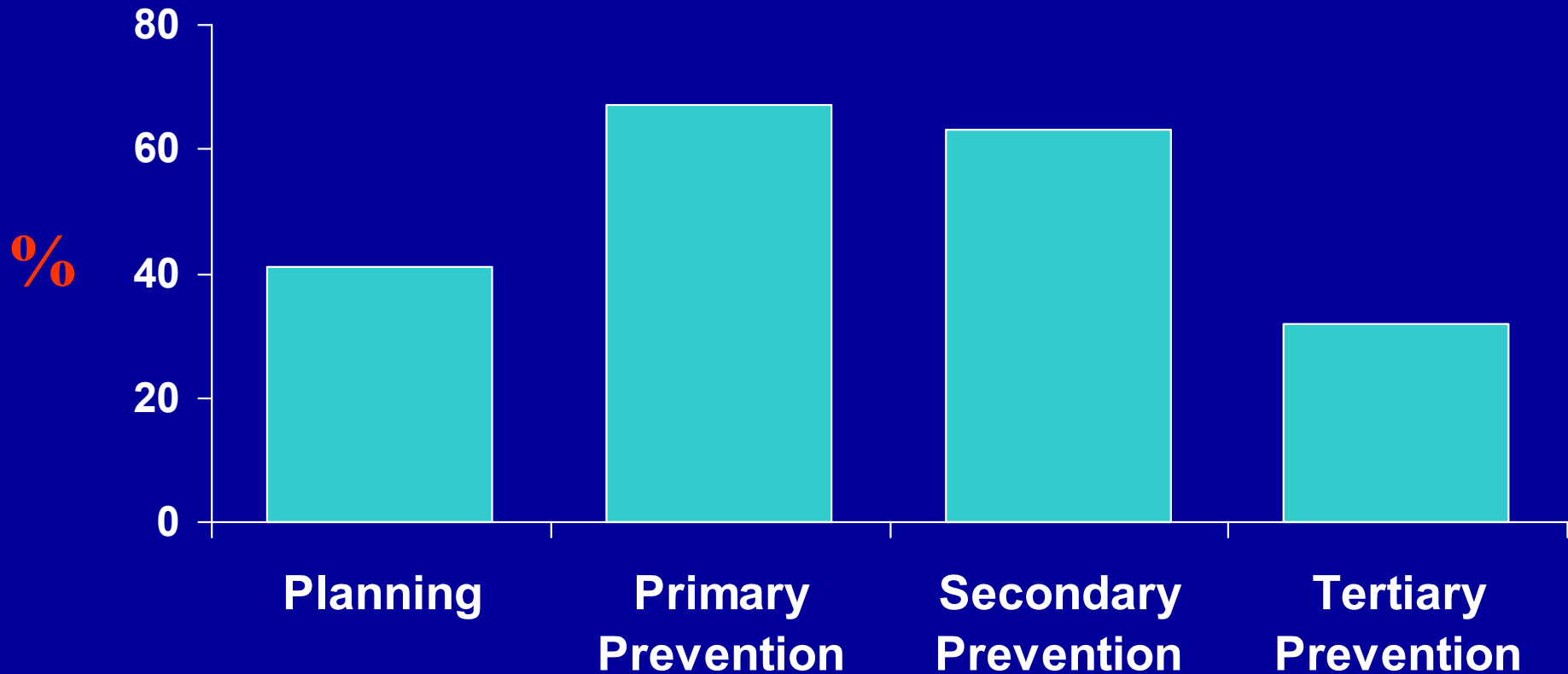
- ✓ 1997 Balanced Budget Act  
\$30 million/yr for 5 years ('98-'02)
- ✓ H.R. 4577, the Consolidated  
Appropriations Act of 2001  
\$70 million/yr for '01-'02  
\$100 million in '03



# *Special Diabetes Program for Indians*

## Grant Program Prevention

### Emphasis



Source: SDPI 2000 Report to Congress

# IHS Translation of DPP



- The IHS National Diabetes Program
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# What do the results of the DPP mean to IHS?



- **Screening** for diabetes AND for IGT in AI/AN communities
- Enhance **lifestyle programs** for diabetes prevention; **case management** approach
- Adjust pharmacy budgets to buy **metformin** for diabetes prevention

# Short-term Plans for Use of the DPP Results



- Interview American Indian participants of the DPP
- Press releases in the Indian press
- Feature DPP at the national tribal leaders diabetes conference in December
- Special edition of our Health for Native Life magazine

# Health For Native Life

Number 2



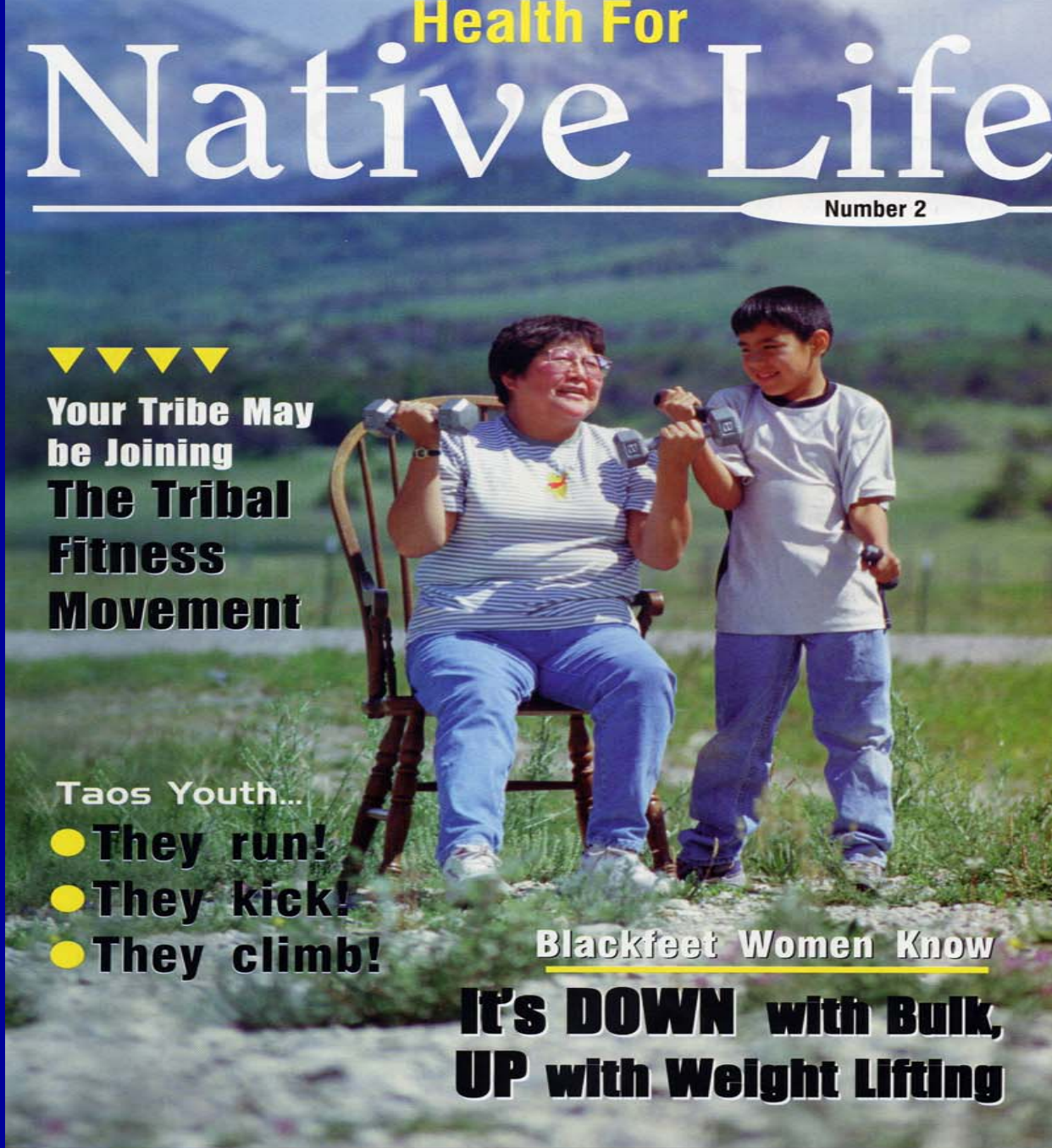
**Your Tribe May  
be Joining  
The Tribal  
Fitness  
Movement**

**Taos Youth...**

- **They run!**
- **They kick!**
- **They climb!**

**Blackfeet Women Know**

**It's DOWN with Bulk,  
UP with Weight Lifting**



# Long-term Plans for Use of the DPP Results



- Define screening criteria & issues
- Use experience from grant programs & others to develop lifestyle programs
- Need for additional funds to purchase metformin and lifestyle program equipment & training

**What do the  
results of the  
DPP mean to  
Indian  
communities?**

---

**HOPE!**



# **IHS National Diabetes Program**



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**[www:ihs.gov/medicalprograms/diab  
etes](http://www.ihs.gov/medicalprograms/diabetes)**